

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Aug 02 17:05:46 EDT 2007

=====

Application No: 10528808

Version No: 1.1

**Input Set:****Output Set:****Started:** 2007-08-02 17:05:04.975**Finished:** 2007-08-02 17:05:06.089**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 114 ms**Total Warnings:** 31**Total Errors:** 0**No. of SeqIDs Defined:** 31**Actual SeqID Count:** 31

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2007-08-02 17:05:04.975  
**Finished:** 2007-08-02 17:05:06.089  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 114 ms  
**Total Warnings:** 31  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 31  
**Actual SeqID Count:** 31

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> ZON, LEONARD I.  
DAVIDSON, ALAN J.  
DALEY, GEORGE Q.

<120> METHOD OF ENHANCING PROLIFERATION AND/OR HEMATOPOIETIC  
DIFFERENTIATION OF STEM CELLS

<130> 701039-053222

<140> 10/528,808

<141> 2005-03-23

<150> PCT/US03/29185

<151> 2003-09-18

<150> 60/413,816

<151> 2002-09-26

<160> 31

<170> PatentIn Ver. 3.3

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 1

agctcctttt ggactattac

20

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 2

ccaacgtaca tgatttgga

20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

primer

<400> 3

ataccttttg gagaaagagg

20

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 4

cgggttgatg acgactggac

20

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 5

caaaacgaga acgaaggaga

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 6

acctgtctct ctgaaagccc

20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
primer

<400> 7

taagatctgg tttcagaacc

20

<210> 8	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic primer	
<400> 8	
tg gat gat cc a ag ttc g ag t	20
<210> 9	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic primer	
<400> 9	
ag cct cgg ac ct cca aatt c	20
<210> 10	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic probe	
<400> 10	
ga ga aatt ta tatt gt	16
<210> 11	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: Synthetic probe	
<400> 11	
ga ga aatcca tatt gt	16
<210> 12	
<211> 32	
<212> DNA	
<213> Artificial Sequence	

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 12  
atgcgaattc cccatgagtt cctatttcgt ca 32

<210> 13  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 13  
atgcgaattc accatgagtt cattgtatta tgcg 34

<210> 14  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 14  
atgcgaattc accatgagct catatttcgt caac 34

<210> 15  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer  
  
<400> 15  
atgcgaattc accatgtcga catccggagc t 31

<210> 16  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 16  
gcatctcgag ctacattcta catgttatgt ac 32

<210> 17  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 17  
gactctcgag ctactcatca tcttcttctt c 31

<210> 18  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 18  
gcatctcgag ctacatttgt ttgacctgt c 31

<210> 19  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 19  
gatctctaga ttagtcttcc ttcgtttc 28

<210> 20  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 20  
cgtacatgat ttggaagaaa cccct 25

<210> 21



<211> 23  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic  
       primer  
  
 <400> 21  
 catgtacgtt ggataccttt tgg 23  
  
  
 <210> 22  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic  
       primer  
  
 <400> 22  
 tccacaaccc acgcctctta tt 22  
  
  
 <210> 23  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic  
       primer  
  
 <400> 23  
 aggcgtgggt tgtggattac 20  
  
  
 <210> 24  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Synthetic  
       primer  
  
 <400> 24  
 gatacactca ccacatacag 20  
  
  
 <210> 25  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 25  
gtgatcaaca acacgtcc 18

<210> 26  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 26  
ggaatctcct gtcagctg 18

<210> 27  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 27  
atgcgaattc accatggcca tgagttccta ttg 34

<210> 28  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 28  
gcactcgcag ctatagactt ggcggaggtc c 31

<210> 29  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic primer

<400> 29  
atgcgaattc accatgagtt cctacttcgt caat 34

<210> 30  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
primer

<400> 30  
gcacctcgag ctatttagaa ttgctagaag c

31

<210> 31  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 31  
Gly Phe Ser Ser Val Phe Gln Ser Gln Ser Asp  
1 5 10